

AIRIBRAD\_NRT\_BUFR is a 324-channel subset of the Near Real-Time AIRS L1B radiance product, at full spatial resolution and output in BUFR format. The product is generated using the IMAPP AIRS L1B HDFEOS to BUFR Format Utility v1.1 Release, obtained from the International MODIS/AIRS Processing Package (IMAPP) project at the University of Wisconsin-Madison Space and Science Engineering Center (SSEC) Cooperative Institute for Meteorological Satellite Studies (CIMSS):

[http://cimss.ssec.wisc.edu/imapp/bufr\\_v1.1.shtml](http://cimss.ssec.wisc.edu/imapp/bufr_v1.1.shtml)

From the IMAPP release notes:

“This package consists of software that will convert AIRS Level 1B Radiance HDFEOS files (AIRS.2009.02.06.176.L1B.AIRS\_Rad.v5\*\*\*.hdf) into Binary Universal Form for the Representation of meteorological data (BUFR) format. The output consists of selected channels at full spatial resolution. The software defaults to selecting the standard 324-channel set, but the user can substitute their own channel selection if you prefer.

This software was written by Nigel Atkinson, Met Office, Exeter, UK.

This software encodes AIRS 1b files into BUFR using the same BUFR template as is used in the NOAA/NESDIS near real-time processing, (see <http://www.star.nesdis.noaa.gov/smcd/spb/iosspdt/iosspdt.php>).”